

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): A method for manufacturing a  
2 preparation carrier, in particular suitable for use in  
3 chemical and biochemical research, wherein:  
4 - on at least one surface of a carrier base, a layer of  
5 plastic is provided,  
6 - wherein the plastic layer is treated thermally and/or  
7 chemically, such that the surface roughness of the side of  
8 the plastic that faces the carrier ~~base~~base is reduced,  
9 while it does not adhere to the carrier ~~base~~base,  
10 - whereupon the plastic is removed from the carrier base,  
11 with the released, relatively smooth surface of the plastic  
12 forming a carrier surface.

1 Claim 2 (original): A method according to claim 1, wherein  
2 the plastic is provided over the at least one relevant face  
3 of the carrier base by melting said plastic at least  
4 partially.

1 Claim 3 (currently amended): A method according to claim 1,  
2 wherein as plastic, a monomer or polymer is used having at  
3 least one active group for the relevant preparation, in  
4 particular a group that can be used for forming an amino  
5 group ~~such as a COOH or a COO methyl group.~~

1 Claim 4 (currently amended): A method according to claim 1,  
2 wherein the carrier surface is treated such that the carrier  
3 surface comprises at least one active group for the relevant  
4 preparation, in particular a group that can be used for  
5 forming an amino group such as a ~~COOH~~ or a ~~COO-methyl~~  
6 ~~group~~.

1 Claim 5 (original): A method according to claim 4, wherein  
2 the carrier  
3 surface is grafted with a plastic, in particular by means of  
4 a monomer or polymer, preferably acrylic acid or methyl  
5 acrylate.

1 Claim 6 (currently amended): A method according to claim 4,  
2 wherein by introduction of ~~NH-NH<sub>2</sub>~~, groups in, or at least  
3 on the carrier surface, the surface roughness thereof is  
4 reduced.

1 Claim 7 (previously presented): A method according to  
2 claim 4, wherein at least the plastic layer on at least the  
3 carrier surface is brought into contact with a solution of a  
4 monomer, whereupon the plastic and the solution are treated  
5 such that polymerization of at least a portion of the  
6 monomer occurs on the carrier surface, for which purpose,  
7 preferably, the plastic together with the solution is  
8 exposed to radiation.

1 Claim 8 (currently amended): A method according to claim 7,  
2 wherein the carrier  
3 surface is provided with a polymerized adhesive layer of a  
4 ~~relatively slight thickness, preferably a thickness of at~~  
5 ~~the most a few atoms or relatively flat chains.~~

1 Claim 9 (previously presented): A method according to  
2 claim 3, wherein the active groups are converted into amino  
3 groups by means of linkers.

1 Claim 10 (previously presented): A method according to  
2 claim 3, wherein information-carrying polymers are coupled  
3 or synthesized to at least a number of active groups,  
4 optionally through the agency of suitable linkers.

1 Claim 11 (currently amended): A method according to claim 1,  
2 wherein a carrier base is used having ~~a particularly low~~  
3 ~~surface roughness of at least the fare to which the plastic~~  
4 ~~is applied, preferably having a surface roughness in the~~  
5 order of magnitude of atomic roughness ~~or slightly~~  
6 ~~thereabove.~~

1 Claim 12 (currently amended): A method according to claim  
2 11, wherein a ~~base~~ carrier base is used of which at least  
3 said face is manufactured from mica or glass or a material  
4 which is comparable therewith in respect of surface  
5 roughness, hardness and porosity, ~~preferably from glass.~~

1 Claim 13 (currently amended): A method according to claim 1,  
2 wherein the carrier surface is formed by or comprises at  
3 least one substantially spherical body having a diameter  
4 such that in the plastic, on the side facing the carrier  
5 base, at least one ~~and preferably a matrix of wells~~ is  
6 obtained having a volume of less than 3  $\mu\text{l}$ , ~~preferably lose~~  
7 ~~than 1  $\mu\text{l}$  and in particular less than 0.1  $\mu\text{l}$ .~~

Claims 14-21 (canceled)

1 Claim 22 (new): A method according to claim 3 wherein the  
2 active group is a -COOH or a -COO-methyl group.

1 Claim 23 (new): A method according to claim 4 wherein the  
2 active group is a -COOH or a -COO-methyl group.

1 Claim 24 (new): A method according to claim 13, wherein said  
2 well has a volume of less than 1  $\mu$ l.

1 Claim 25 (new): A method according to claim 13, wherein said  
2 well has a volume of less than 0.1  $\mu$ l.

1 Claim 26 (new): A method according to claim 13 wherein in  
2 the plastic, on the side facing the carrier, a matrix of  
3 wells is obtained having a volume of less than 3  $\mu$ l.

1 Claim 27 (new): A method according to claim 13 wherein in  
2 the plastic, on the side facing the carrier, a matrix of  
3 wells is obtained having a volume of less than 1  $\mu$ l.

1 Claim 28 (new): A method according to claim 13 wherein in  
2 the plastic, on the side facing the carrier, a matrix of  
3 wells is obtained having a volume of less than 0.1  $\mu$ l.

1 Claim 29 (new): A method according to claim 12 wherein a  
2 carrier base is used of which at least said face is  
3 manufactured from glass.